



Department of Defense **DIRECTIVE**

December 5, 1990
NUMBER 4650.5

ASD(C3I)

SUBJECT : Positioning and Navigation Systems Administration and Planning

References: (a) DoD Directive 4650.5, subject as above, April 7, 1981
(hereby canceled)
(b) Federal Radionavigation Plan, current **edition**¹
(c) Joint **Ch**iefs of Staff, Master Navigation Plan, current
edition²
(d) National Airspace System Plan, current edition³

A. REISSUANCE AND PURPOSE

This Directive reissues and updates reference (a) and:

1. Establishes policy and prescribes procedures for positioning and navigation (**POS/NAV**) efforts, and assigns **POS/NAV** responsibilities.

2. **Des**cribes the role of the Department of Defense in the preparation of **references** (b), (c), and (d).

3. Establishes and assigns responsibilities to the POS/NAV Executive Committee and the **POS/NAV** Working Group.

B. APPLICABILITY

This Directive applies to the Office of the Secretary of Defense (**OSD**); the Military Departments; the Chairman, Joint Chiefs of Staff and Joint Staff; the Unified and Specified Commands; and the Defense Agencies (hereafter referred to collectively as "DoD Components").

c. POLICY

It is the policy of the Department of Defense that a consistent and logical integration of the data, schedules, and personnel responsibilities for the preparation of the Master Navigation Plan (reference (c)) and the Federal Radionavigation Plan (reference (b)) shall be maintained.

¹Available from the U.S. Department of Commerce, National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161

²**Available** from the Joint Staff (J-6), 703-694-2917, Pentagon (Room **1C826**)

³Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402-0001

D. RESPONSIBILITIES

1. The Assistant Secretary of Defense for Command. Control. Communications. and Intelligence (ASD(C³I)) shall have overall responsibility for carrying out this Directive, issuing Instructions and guidance necessary to implement the purposes and policies within this Directive, and shall:

a. Formulate DoD radionavigation system policy and provide overall guidance on matters of POS/NAV research, development, test, and engineering (RDT&E), modifications, acquisitions, and operations.

b. Chair the POS/NAV Executive Committee.

c. Ensure that overall POS/NAV RDT&E, acquisition, and operational systems are properly reflected in the Master Navigation Plan (reference (c)) .

d. Ensure coordination of DoD POS/NAV development, acquisition, and implementation of programs among the Military Departments, the Defense Agencies, the North Atlantic Treaty Organization (NATO), and the Department of Transportation (DoT).

e. Designate a representative to act as chair for the POS/NAV Working Group.

2. The Under Secretary of Defense for Policy (USD(P)) shall:

a. Review DoD policy on POS/NAV matters, consistent with national radionavigation systems policy; provide policy guidance, oversight, and coordination for POS/NAV plans, programs, and issues; and ensure that DoD policy and plans on POS/NAV matters are consistent with overall national security objectives.

b. Provide representation to the POS/NAV Executive Committee and POS/NAV Working Group.

3. The Assistant Secretary of Defense (Production and Logistics) (ASD(P&L)) shall:

a. Review POS/NAV equipment acquisition strategies and production and support plans. Provide policy, oversight, and coordination of **Service** support plans for common equipment.

b. Provide representation to the POS/NAV Executive Committee and the POS/NAV Working Group.

4. The Assistant Secretary of Defense (Program Analysis and Evaluation) (ASD(PA&E)) shall:

a. Review POS/NAV programs and plans, including supporting cost and force effectiveness analyses prepared by the Military Departments.

b. Provide representation to the POS/NAV Executive Committee and the POS/NAV Working Group.

5. The Chairman, Joint Chiefs of Staff (CJCS) shall serve as the responsible focal point for **POS/NAV** operational matters and shall:

- a. Develop joint POS/NAV operational doctrine and tactics.
- b. Review and approve use of joint and combined systems and equipment to avoid the duplication of POS/NAV functions.
- c. Promote standardization, **interoperability**, and compatibility to fulfill common requirements.
- d. Coordinate **POS/NAV** matters affecting NATO and individual nations (ensuring that U.S. positions are established in collaboration with the **USD(P)**).
- e. Provide direction and inputs for a navigation systems architecture that describes operating concepts, system developments, replacement plans, and alternatives for satisfying validated requirements.
- f. Provide representation to the **POS/NAV** Executive Committee and the **POS/NAV** Working Group.
- g. Review and publish the Master Navigation Plan (reference (c)), integrating the revision with the revision of the Federal Radionavigation Plan (reference (b)).

6. The Secretaries of the Military Departments shall:

- a. Identify POS/NAV-related operational requirements; conduct **RDT&E** on POS/NAV systems; modify **POS/NAV** systems; and procure **POS/NAV** systems and equipment.
- b. Develop and establish POS/NAV tactics and techniques.
- c. Identify and ensure availability of logistics and manpower resources to meet readiness requirements, and conduct **POS/NAV** training programs.
- d. Ensure that **POS/NAV** programs achieve standardization, **interoperability**, and compatibility in fulfilling common requirements for the greatest utility in joint operations for NATO and other allied use.
- e. Provide representation to the **POS/NAV** Executive Committee and the **POS/NAV** Working Group.

E. PROCEDURES

1. The DoD POS/NAV Executive Committee is hereby established.

a. The Executive Committee shall be composed of the following members:

- (1) The **ASD(C³I)** who will chair the committee.

(2) One representative, and one alternate representative, designated by each of the following:

- (a) The **CJCS**.
- (b) The Secretaries of the Military Departments.
- (c) The Comptroller of the Department of Defense (C, DoD).
- (d) The **USD(P)**.
- (e) The **ASD(P&L)**.
- (f) The General Counsel, DoD (**GC**, DoD).
- (g) The **ASD(PA&E)**.

b. The Executive Committee shall:

(1) Function as the DoD focal point and forum for all DoD POS/NAV matters.

(2) Provide overall management supervision and decision processes for DoD **POS/NAV** matters, including biennial revisions of the Federal Radionavigation Plan (reference (b)).

(3) Coordinate and work with the DoT Navigation Council on reference (b) and the National Airspace System Plan (reference (d)).

(4) Coordinate and supervise those actions necessary to ensure an efficient transition of new positioning and navigation systems from development to full operations.

c. The **POS/NAV** chair shall designate an Executive Secretary for the Committee.

d. The POS/NAV chair may invite other officials of the Department of Defense to attend **POS/NAV** meetings, when appropriate.

2. The DoD POS/NAV Working Group is hereby established. It shall:

a. Be composed of action officers (**AOs**) designated by each of the members of the Executive Committee.

b. Assist the Executive Committee in carrying out its responsibilities.

3. The Chairman of the POS/NAV Working Group may, from time to time, invite representatives from the Federal Aviation Administration (**FAA**), U.S. Coast Guard, other U.S. Government Departments, and U.S. Government contractors to assist in their various efforts. **Non-DoD** members of the Working Group shall act in an advisory capacity only.

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4. The Master Navigation Plan (reference (c)) shall implement DoD POS/NAV policy, validate POS/NAV requirements, compare requirements to existing technology, identify performance shortfalls, highlight needed research and development, and provide long-term projections of anticipated capabilities. When approved by the ASD(C³I), it shall be the basis for DoD Components' POS/NAV programming and Program Objective Memorandum (POM) submissions to the OSD, and will be the authoritative document used in the POM review cycle. This plan is the DoD input to the Federal Radionavigation Plan (reference (b)) and appropriate NATO plans. Reference (c) shall be reviewed annually and revised as required.

5. Reference (b) shall provide information on the management of those Federally provided radionavigation systems used by both the civil and military sectors. It shall support the planning, programming, and implementation of air, marine, land, and space radionavigation systems to meet the requirements shown in the President's budget submission to Congress. DoD input to this plan shall be based primarily on reference (c).

F. EFFECTIVE DATE

This Directive is effective immediately



Donald J. Atwood
Deputy Secretary of Defense